



# भारत का राजपत्र The Gazette of India

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No. 44]

NEW DELHI, SATURDAY, OCTOBER 30, 1971 (KARTIKA 8, 1893)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड २

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

##### Patents and Designs

Calcutta, the 30th October 1971

#### CORRIGENDA

##### (1)

In the Gazette of India Part III, Section 2, dated the 1st July 1971 in page 283, column 1 under the heading "Applications accepted":—

for number 127546

read number 127646.

##### (2)

In the Gazette of India, Part III, Section 2 dated 13th February, 1971, page 61, Column 2 under the heading "Renewal Fees Paid", delete the number 103663.

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

11th October 1971

133182. Mac Gregor International S. A. An improvements and relating to hatch cover drive means.  
133183. D. S. Gadgil. An electronic instrument displaying digitally the percentage slip of induction motors.  
133184. A. D. Dikshit. Closure caps with discharge outlet means for containers, collapsible tubes, bottles and the like.  
133185. A. D. Dikshit. Electric heating pads, blankets, and the like.  
133186. A. D. Dikshit. Multi-colour pencil.  
133187. H. N. Krishnamurthy. Making RCC sections which may be called as luxmi process of making RCC sections.

133188. P. J. Budhabhatti. Improvements in or relating to a remote control device for simultaneously controlling street lights or like electrical appliances.  
133189. E. R. Squibb & Sons, Inc. 3-indoleacetic acids and process therefor.  
133190. Javier Gonzalez De Castejon Jaraquemada (Marques Del Vadillo). Method of production of iron and steel. (28th May 1971).  
133191. Eastman Kodak Company. Tobacco smoke filter element.  
133192. Creusot-Loire. Improvements in or relating to the clothing of metal articles and the articles so obtained.  
133193. Imperial Chemical Industries Limited. Purification process. (26th October 1970).  
133194. Imperial Chemical Industries Limited. Textile printing apparatus. (5th November 1970).  
133195. (Mrs.) Phabhavati Vaman Sutar Hand-driven grinding machine.  
133196. Combustion Engineering, Inc. Superheating steam generator.  
133197. M. J. Frenkel. Cylinder of piston compressor.  
133198. Pressure Cookers & Appliances Private Limited. Improvements in or relating to pressure cookers.  
133199. Reliance Machine Manufacturers Private Limited. Beam dyeing machine.  
133200. B. L. Mittal. Improvement in or relating to heat exchanger for cooling of sugar-masseccutes.  
133201. T. T. Investments & Trades Private Ltd Improvements in or relating to garments, more particularly, to drawers and briefs.  
133202. Institut De Recherches De La Siderurgie Francaise Method of introducing auxiliary fuels to blast furnace and tuvere for use in this method.

133203. Robert Rosch GMBH. Improvements in or relating to internal combustion engines by fluid.
133204. Morinaga Milk Industry Co., Ltd. Process for preparing a lactulose powder by utilizing protein.
133205. Tecumseh Products Company. Improvements in electric motors. (19th January 1971).
133206. Pignone Sud S.P.A. Flag adjusting valve having a facilitated flow.
133207. Takeda Chemical Industries, Ltd. Benzodiazepine derivatives.
133208. M. P. George. Re-activating switch for lighting fused fluorescent tube light cum starter for unfused fluorescent tube light.

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133209. Council of Scientific and Industrial Research. Apparatus for testing the Mechanical strength of glass shells of finished miniature electric bulbs of miner's caplamps.
133210. Council of Scientific and Industrial Research. Sine drive for plane reflection grating instruments.
133211. Bhaskar Prem Mitra. Improvement in kerosene stove burner called 'cleanable burner'.
133212. N. J. Garrod. Improvements in containers. (20th October 1970).
133213. Research Institute for Medicine and Chemistry Inc. Chemical process.
133214. Shell Internationale Research Maatschappij N. V. Ethylene polymerization.
133215. Joseph Lucas (Industries) Limited. Pulley. (22nd October 1970).
133216. Cities Service Research & Development Company. Apparatus.
133217. Bimal Kumar Ghose. Some improvement in or relating to hobbins.
133218. J. P. Schmidt Jun A/S. A method of fermenting and improving tobacco.
133219. Sandoz Ltd. A process for the production of high molecular weight polycondensates.
133220. Sandoz Ltd. A process for solid phase condensation of thermoplastic polyesters.
133221. Carlo Erba S.p.A. Process for the preparation of substituted 2, 2'-biimidazoles.
133222. N. V. Philips Gloeilampenfabrieken. Claw mechanism for advancing a perforated record carrier along a path.
133223. N. V. Philips Gloeilampenfabrieken. Cassette.
133224. N. V. Philips Gloeilampenfabrieken. New organic compounds derived from urea or thiourea, insecticidal preparations on the basis of the new substances and methods of producing the substances.

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133225. Lyng Industries A/S. Annular expanding ring structure. (22nd October 1970).
133226. Westinghouse Air Brake Company. Empty-load changeover apparatus.
133227. Dunlop Holdings Limited. Manufacture of flexible hose. (15th October 1970).
133228. Imperial Chemical Industries Limited. Coating compositions. (21st October 1970).
133229. Aerpat A. G. Fastener and method of manufacture thereof. (21st October 1970).
133230. M. G. Industries. Improvements in or relating to stoppers for bottles or like containers.

133231. M. G. Industries. Improvements in or relating to gas-tight stoppers for bottles or like containers.
133232. The Air Preheater Company, Inc. Flux depth indicator.
133233. The Mead Corporation. Improved reduction oxidation systems and apparatus.
133234. International Standard Electric Corporation. Forming die. (16th October 1970).
133235. Veb Bandstahlkombinat. Shaft sealing for agitators with driving gear on top.
133236. Leningradsky Metallichesky zavod imeni XXII siezad KPSS. Proportional-plus-integral element of an electrohydraulic speed controller for a hydrogenerator.

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133237. Sunit Kumar Mukherjee. Improvements in or relating to the hermetic sealing of containers. [Addition to No. 111817.]
133238. Cluett, Peabody & Co., Inc. Method and apparatus for compressive shrinkage of fabrics.
133239. Jervis B. Webb Company. Improvements in conveyors.
133240. Jervis B. Webb Company. Control for a vehicle.
133241. Shell Internationale Research Maatschappij N. V. Process for the production of methanol.
133242. Dynamit Nobel Aktiengesellschaft. Process for the purification of benzene carboxylic acids and benzene carboxylic acid esters.
133243. Sandoz Ltd. Process for the production of 2:1 cobalt complex compounds.
133244. Bunker Ramo Corporation. Trimmer potentiometer.
133245. Bunker Ramo Corporation. Support and seal for lead screw component housing and method of sealing.
133246. Bunker Ramo Corporation. Crimping apparatus.
133247. Richter Gedeon Vegyeszeti Gyar R. T. Pharmaceutically active new 1, 3-aminoalcohol esters and their salts and a process for the preparation thereof.
133248. J. Yonemochi. Method of smelting high quality ferresilicon.
133249. Punya Brata Chaudhuri. Treatment of agricultural residues for reducing colour deterioration during storage and simultaneous delignification.
133250. T. V. S. R. K. Sagar, Dr. P. Jagam, Prof. A. Sriramadas and Prof. V. Lakshminarayana. Neutron activation analysis for determination of elements in geological samples.
133251. R. A. Zanrukiya. Electronic time talky or autotest clock or electronic time striking.

#### Alteration of Date

124580. The claim to priority date 24th December 1968 has been abandoned and the application dated as of 24th December 1969, the date of filing in India.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may, at any time within four months of the date of the Gazette of India give notice to the Patents Office in the prescribed form No. 6 of the Indian Patents and designs Rules, 1933 of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8 Hastings Street Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of

printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

124580. Carding Specialists (Canada) Limited. Improvements in or relating to control means. Accepted on 24th September 1971.

*Comprising movable member with surface to be recorded a pick-up head, means for causing motion to said surface, means for causing movement to said movable member, said surface and pick-up head being movable concurrently.*

124642. Building Equipments Corp. S. A. Retractable tunnel type shuttering. Accepted on 1st October 1971.

*Comprising a pair of frame members each comprising a pair of side uprights, an extensible member connectable between lower end portions of the uprights and a pair of members each articulated to an upper end of the uprights and also to one another, said pair of members being joined by at least a pair of brackets to a rack and pinion device.*

124697. Z. A. Abbasov, G. I. Volkov, P. A. Dolganov, G. M. Kamarian, D. I. Kerner, B. N. Korf, L. N. Kostromin, V. I. Kubasov, V. M. Makarov, V. B. Nelidov, N. D. Pushkarsky, M. S. Sogomoian, V. I. Rybkin, V. N. Suckhov, L. N. Shifrin, L. M. Yakimenko, P. N. Kravtsov, Y. K. Shteinberg. A mercury-cathode electrolytic cell. Accepted on 4th October 1971.

*Characterized in that the amalgam washing chamber is disposed inside of the separation chamber and the overflows of the chambers are arranged at an angle in relation to each other, preferably at right angle.*

124723. Behli Rustomjee. Reinforced concrete shoe for use in pile driving. Accepted on 5th October 1971.

*Reinforcement is provided inside the shoe along the outer section thereof and substantially in the section below the shoulder.*

124748. Bau-Stahlgewebe G. M. B. H. A method of and apparatus for, making mats or grids of steel rods. Accepted on 7th October 1971.

*Characterized in that the pressure applied to the electrodes prior to welding is steadily increased during the welding and during the cooling of the welding spots.*

124754. W. P. Nail. Inflatable load supporting structures. Accepted on 7th October 1971.

*Comprises an inflatable outer air chamber and a plurality of inflatable beams each of said beams defining an internal air chamber.*

124755. Clupak, Inc. Apparatus for controlling the direction of mechanical compaction of paper and similar fibrous webs. (12th August 1969). Accepted on 7th October 1971.

*Including hard surfaced rollers, an elastomeric surfaced element, means for supporting the elastomeric element.*

124768. Turner Brothers Asbestos Company Limited. Treatment of asbestos. (10th January 1969). Accepted on 8th October 1971.

*Comprises distributing 0.1—5% by weight of a flexible film forming polymeric material through act the asbestos product and bonding the majority of fibrous.*

124771. Montecatini Edison S.p.A. Process for the polymerization of olefins and catalysts therefor. Accepted on 8th October 1971.

*Catalysts for the polymerisation of olefins consisting of the product of the reaction between (a) the product obtained by reacting a hydrated Mg-halide with a halogenated titanium or vanadium compound and (b) a hydride or metallorganic compound of a metal belonging to I, II and III group of the periodic system.*

124786. Imperial Chemical Industries Limited. New metal complex azo dyes of the triazine series, their manufacture and use for colouring cellulose textile materials. (16th January 1969). Accepted on 12th October 1971.

*Characterised by reacting two molecular proportions of cyanuric chloride with two molecular proportions of an aminoazo compound and an molecular proportion of a diamine.*

124787. National Research Development Corporation. Improvements in or relating to seed handling. (14th January 1969). Accepted on 12th October 1971.

*Comprises a drum or equivalent conveyor movable in a repetitive cyclic manner around a closed path a longitudinally bored needle member connected at one end thereof with said conveyor, an article supply station and an article receiving station and a valve means for applying a vacuum to the bore of said member.*

124796. United Engineering and Foundry Company. Rolling or processing striplike materials in rolling mills or like apparatus. Accepted on 12th October 1971.

*Applying a bending force to at least one of the reducing rolls or its back up roll to displace it to change the roll gap, and to bend the roll body of it to vary its contour to change the shape of roll gap, pursuant to detected change in the roll gap caused by change in the reducing pressure.*

124797. United Engineering and Foundry Company. Rolling mill or calender with automatic gauge control of strip. Accepted on 12th October 1971.

*Having a pair of rolls mounted in windows in spaced apart housings, means for applying a bending force to at least one of the rolls to change roll gap, a member for carrying the bending force means such that reaction force of bending force means is self contained within it and isolated from housing, and means for varying force applied by bending force means.*

124809. Babcock & Wilcox Limited. Improvements relating to coiled tube banks. (10th January 1969). Accepted on 12th October 1971.

*Having respective tube coils spaced apart by spacer bars each including a bar extending radially of the coils having tube spacing lugs mounted on the radially outer face thereof and provided with flanges at the radially inner face.*

124838. Institut Avtomatiki i Telemekhaniki (tekhnicheskoi kibernetiki). Fluid inverter device. Accepted on 13th October 1971.

*With the fluid logic element having supply and output passages in the form of laminar stream fluid throttle means, both said passages being axially aligned and control passage extending perpendicular to the axis of supply passage, the control passage including a linear fluid resistor means.*

124841. P. R. Batni and V. D. Hukerikar. Automatic braking device for railway locomotives. Accepted on 14th October 1971.

*Comprises a pair of cylinders in which two integrated plungers have a vertical stroke, said plungers being connected by two links with two slides such that the slides have a horizontal stroke, said combination of plungers and slides being interlocked with the signal.*

124849. Farwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water soluble disazo dyestuffs, their metal complex compounds process for their manufacture dyeing or printing textile materials

therewith and materials so dyed or printed. Accepted on 12th October 1971.

*The monoazo dyestuff obtained by coupling diazotized 2-aminophenol-4-sulfonic acid and 6-N-acetoacetylaminol-2-naphthol-4-sulfonic acid is reacted with a diazo solution of 1-amino-2, 5-dimethoxybenzene-4-β-hydroxyethyl sulfosulfuric acid ester.*

124862. Orissa Cement Limited. Improved door and window frames. Accepted on 6th October 1971.

*The pieces comprise two vertical side pieces, one horizontal top piece and optionally a horizontal bottom piece, fittings or fixtures being welded to the reinforcement of the pieces, bolts or like metal pieces being provided at the top ends of the vertical side pieces or at the notched ends of the top piece to engage in corresponding slots provided in the notched ends of the top piece or at the top end of the vertical side pieces.*

124864. Imperial Chemical Industries Limited. Method of spray-drying polymer solutions. (27th January 1969). Accepted on 14th October 1971.

*Comprises atomizing the chlorine containing polymer solution in an evaporation zone in a current of inert gas at temperatures less than 75°C.*

124869. Dominion Foundries and Steel Limited. High speed railway trucks. Accepted on 12th October 1971.

*To provide a new high speed railway truck providing for tilting of the car body thereon and employing relatively conventional suspension components.*

124874. Mihir Kumar Adhikari. Improvements in or relating to cycle rickshaw. Accepted on 7th October 1971.

*Wherein the driving mechanism for driving the rickshaw consists of atleast two level type pedals hinged side by side at a common axis provided in front of the puller's seat, at least two rock and ratchet arrangements being provided with two free wheels side by side at the middle portion of the common shaft of the two rear wheels, the racks being connected with the arms of the pedals by parallel connecting rods projected by two roller chains at their forward end.*

124892. Ferdinand Van Damme & Zonen. A process for the manufacture of fabrics, strips or ribbons respectively from fabrics, strips or ribbons having greater width and made entirely or partially of a thermoplastic or material and the article produced thereby. Accepted on 11th October 1971.

*Subjecting those portions of the starting fabrics or the like which correspond to the marginal edges of the distributed fabrics or the like to a pile levelling, heating, cutting and pressing operation.*

124940. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of allyl esters of carboxylic acids. Accepted on 11th October 1971.

*Comprises adding to the catalyst comprising a noble metal of the 8th subgroup of the periodic table an inert carrier material and optionally a salt of a metal of the first and second main or subgroup of the periodic table, bismuth in elementary form or in the form of a compound.*

124969. Madura Mills Company Limited. Improvements in or relating to the fixation of reactive dyestuffs on textile material. Accepted on 12th October 1971.

*Characterised in that the cone of sodium hydroxide employed is 20 to 30 per cent and alkaline treatment is carried out at 15-30°C for 40 to 120 seconds.*

125137. Council of Scientific and Industrial Research. A process for the production of protein concentrate from petroleum hydrocarbon fermentation broth. Accepted on 12th October 1971.

*Comprising treating the creame obtained by fermentation of hydrocarbon with 0.15 to 1.0 per cent of an anionic surfactant.*

125232. Joseph Lucas (Industries) Limited. Electrical switches. (18th February 1969). Accepted on 7th October 1971.

*Comprising a hollow body having a pair of fixed contacts and a movable bridging contact operable by a member by insertion of a key in the ignition control associated with the switch.*

125932. English Calico Limited. Improvements in the production of tubular articles. (29th March 1969). Accepted on 1st October 1971.

*Comprises forming a strip of a plastic material having wholly embedded therein a length of reinforcing insert and helically winding said strip round a mandrel.*

125971. Eaton Yale & Towne Inc. Fluid operated motor. Accepted on 1st October 1971.

*Relates to fluid operated motors of the axial valve type wherein the displacement mechanism is readily detachable from the motor and, more particularly, relates to a fluid operated motor wherein the displacement mechanism may be interchanged as to displacement or type.*

126001. Joseph Lucas (Industries) Limited. Lighting systems for road vehicles. (3rd April 1969). Accepted on 1st October 1971.

*Including at least a tail lamp with current sensing means, a brake lamp controlled by a switch and a circuit controlled by the sensing means for energising the brake lamp when the tail lamp fails independently of the switch.*

126092. AMP Incorporated. Improved tab receptacle electrical connector. Accepted on 7th October 1971.

*Comprising receptacle portion with base and sides covering a channel with wide and narrow ends, each side formed with elongated slot so that a tab may be inserted longitudinally.*

126097. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Phenyl derivatives, process for their preparation and insecticidal compositions containing the same. Accepted on 7th October 1971.

*comprises reacting suitably substituted alkyl halide with appropriately substituted alkali salt of corresponding phenyl alcohol, thiophenol or thioalcohol followed by, if desired, oxidation, esterification, saponification, epoxidation or epulsulphidation. Pesticidal compositions containing one or more of these compounds.*

126100. American Optical Corporation. Liquid pipetting apparatus. Accepted on 7th October 1971.

*Includes a frame, a pump defining a pump chamber and an opening therefrom, a liquid inlet line, a pump piston, and a pipette tube.*

126104. Rose, Downs & Thompson Limited. Process for the extraction of glyceride oils. (10th April 1969). Accepted on 8th October 1971.

*Comprises treating the glyceride oil bearing material with a solution in water of a polar solvent, and extracting the treated material with a second solvent of lower polarity.*

126106. Colgate-Palmolive Company. Shampoo composition. Accepted on 8th October 1971.

*Comprising a detergent selected from the class consisting of foaming non-ionic and amphoteric detergents and mixtures thereof and an alkylated polyethyleneimine polymer.*

126126. The Firestone Tire & Rubber Company. Pneumatic tire. Accepted on 11th October 1971.

*Beited-bias pneumatic tyre in which the body is comprised of two or more plies of standard tire cord material and the belt is comprised of two plies of standard modulus rayon tire cord.*

126149. Ciba Limited. Disazo compounds, processes for their manufacture and textile materials dyed therewith. Accepted on 11th October 1971.

*Comprises subjecting appropriately substituted phenolic disazobenzene sulphonic acid amide to etherification or esterification. Dyeing of cellulose ester spinning compositions.*

126173. Imaginering Industries, Inc. Plastic street shoes and method of making same. Accepted on 11th October 1971.

*Filling the mould with a liquid heat fusible composition, heating said mould, said heated mold providing latent heat for gelling material adjacent the side walls to form the sole of the footwear, applying a flocking composition to the free surface of coating, heating said mold to fuse and cure.*

126175. Glanzstoff A. G. A process for the production of non-woven textile sheetings. (28th January 1970). Accepted on 13th October 1971.

*A compacted fibre fleece having an apparent density of at least 0.15 g/cm<sup>3</sup> and a thickness of at least 0.4 mm is split once or several times in a direction parallel to the plane of the fleece.*

126179. Council of Scientific and Industrial Research. An improved method of constructing compaction piles. Accepted on 11th October 1971.

*Consists in making a bore, under-reaming it, placing a guide rod or a small diameter timber or precast pile centrally in the bore, filling the bore with concrete placing over the guide rod reinforcement with a funnel shaped bottom engaging the guide rod, driving it into the concrete to full depth with a hollow pipe or precast concrete of timber pile kept inside the reinforcement and having a detachable shoe resting in hollow core over the funnel shaped bottom and pouring concrete as the level of concrete in the bore goes down.*

126200. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of methyl or ethyl chloride from methyl or acetate. Accepted on 8th October 1971.

*Comprises reacting vapours of methyl or ethyl acetate with hydrogen chloride in gaseous phase under pressure at elevated temperature in presence of silicic acid containing zinc chloride.*

126204. International Nickel Limited. Plates for accumulators. (22nd April 1969). Accepted on 12th October 1971.

*Comprising a stock of metal foils electrically inter-connected separated from each other by active mass which formed uniformly distributed holes registering continuous passage.*

126228. Hercules Incorporated. Process for making bulked yarns by the fibrillation of thermoplastic films. Accepted on 8th October 1971.

*Characterised by the steps of providing a ribbon of longitudinally oriented thermoplastic film, feeding the ribbon end wise positively at a predetermined speed, forming a jet from a fluid, directing the fluid jet into a chamber and moving screen like surfaces laterally across and in close proximity to the open end of the chamber.*

126338. Sandoz Ltd. Metalliferous disazo dyes, their production and use. Accepted on 14th October 1971.

*Comprises coupling tetrazodised 4-4' diamino-3, 3' dimethoxy diphenyl or 4-4' diamino-3, 3' dihydroxy diphenyl, with 2-hydroxy naphthalene-6, 8, disulphonic acid and 2-hydroxy naphthalene*

*3, 6 disulphonic acid and treating the resulting azo dye with an agent donating the metal.*

126451. Springs Mills, Inc. A spindle for supporting a bobbin in a predetermined position. Accepted on 11th October 1971.

*The magnetic bobbin seater device comprising a magnetized band supported by a collar.*

126453. Wiggins Teape Research & Development Limited. Method and apparatus for detecting holes in a moving web or sheet. Accepted on 11th October 1971.

*Comprising a source of radiation towards a path along which a web or sheet may be conveyed, a lens between the source of radiation and path of the web and a radiation detector.*

126774. Damfoss A/S. Slide valve for a pressure medium. Accepted on 7th October 1971.

*Characterised in that the axis of an auxiliary valve arrangement extends parallel with the slide valve and is carried by at least on lateral surfaces of a connecting element at right angles to the sealing surface between the element and the slide valve*

127195. Girling Limited. Improvements in shoe drum brakes for vehicles. (5th July 1969). Accepted on 8th October 1971.

*In which the shoes are connected at one end by a strut of adjustable length the pawl of a ratchet and pawl device for adjusting the effective length of the strut is pivotally mounted on one shoe adjacent the strut, automatic adjustment of the strut taking place on application of the brake.*

127547. Siemens Aktiengesellschaft. Improvements in or relating to arrangements for measuring currents in high tension conductors. Accepted on 8th October 1971.

*Wherein at the high potential location there is provided an electro-optical or magneto-optical device in which transmitted measured values in the form of light beam is split into light pulses with an information content corresponding to the current being measured.*

128233. Development Consultants Private Limited. Improvements in or relating to diaphragm device for imparting an actuating force for operating a mechanism. Accepted on 8th October 1971.

*Has an outershell comprising two half parts, inlet-end half and an out let end half, each having an opening, a connector provided at the opening of the inlet-end half for introducing compressed air into said shell and, and actuating mechanism*

128268. Sumitomo Chemical Company Ltd. Process for producing O, O-dialkyl phosphorochloridothioate. Accepted on 7th October 1971.

*Comprises reacting an O, O, O-trialkyl phosphorothioate with PCl<sub>3</sub> or a combination of PCl<sub>3</sub> and chlorine.*

128342. Fichtel & Sachs AG. Improvements in or relating to centrifugally actuated couplings. Accepted on 8th October 1971.

*Comprises a rotatably supported coupling element carrier centrifugal shift means with a fly weight carrier to transfer a coupling element from a first to second position and a connection between the shift means and the coupling element.*

128443. N. Solverangam. Improvements in or relating to chairs and the like. Accepted on 8th October 1971.

*Comprising seat, arm rest and back rest mounted on frame work with detachable links, adapted to be disposed at various angles of inclination the seat and back rest.*

128471. Council of Scientific and Industrial Research. Improvements in or relating to the generation of square wave from sinusoidal wave. Accepted on 14th October 1971.

*Comprising two diodes connected in the input stage and subsequent phase reversal in the collectors of the two transistors characterised in that combination of two different types of transistors and two similar types of diodes used to obtain the square wave.*

128488. S. K. Karania. Improvements in or relating to multi-purpose furniture. Accepted on 11th October 1971.

*Wherein the cushion, pillow or like unit is provided with individual or collective fastening or or holding means.*

128550. Robert Bosch GMBH. Fuel injection pump for internal combustion engines. Accepted on 8th October 1971.

*Wherein a second spill passage for fuel in the working chamber of the main pump is opened by a regulating member at an increasingly earlier instant than that at which is closed by a spool valve.*

128662. R. M. Armstrong and A. J. Armstrong. A scraper mechanism mounted inside a material treatment shell. Accepted on 14th October 1971.

*Comprising a scrape blade having an edge for engagement with the shell and blade driving structure and means for mounting the blade on the driving structure.*

128852. S. S. Jain. An instrument for structural design. Accepted on 7th October 1971.

*Wherein the dial has three straight edges meeting at right angles or a fourth edge which is a part of a semicircle whose centre coincides with the centre of semicircle made in a grooved strip, the dial being marginally marked with scales commanded by four pointers, two knobs to move the four pointers, said knobs being connected with two shafts at their free ends, the shafts being connected at right angles to each other by a connector, the shafts having at their internal extreme ends pinions having bearing fixed adjacent to inside rectangular frame-pieces, the ends of one shaft engaging a pointer carrier carrying one of the pointer and a block respectively, adjacent to corresponding frame pieces, the two ends of the other shaft, carrying through pointer carriers two other of said pointers, the groove strip carrying a pointer at its other end to carry the fourth pointer.*

128909. I. M. Bhandari and Nagendra Datta Misra. A new lagging plaster from crude asbestos. Accepted on 8th October 1971.

*Comprising powdered crude asbestos, crude Talcum, crude mica, and clay.*

129077. Internationalla Siporex Aktiebolaget. Apparatus for cutting semi-plastic bodies of cellular lightweight concrete. Accepted on 11th October 1971.

*Over the second conveyor and its support is a movable counter holder to exert a yieldable counter pressure against the body, the counter holder and the pusher taking the form of separate carriages movable along parallel runways extending in the running direction of the conveyors and the second convey has a body receiving surface composed of mutually spaced transverse supporting bars such that fork prongs of a fork lifter can be inserted for lifting the net body from the second conveyor and depositing it on a support.*

129268. J. J. David. Piston with cantilever gudgeon pin. Accepted on 8th October 1971.

*Gudgeon pin is supported rigidly at one end by the single gudgeon pin boss of the piston, the other overhanging end of the gudgeon pin forms the journal for the gudgeon pin bearing.*

129306. Nippon Kokan Kabushiki Kaisha. Method for manufacturing cold rolled steel for drawing. Accepted on 8th October 1971.

*Comprising finishing by hot rolling at a temperature over 800°C, cold rolling after coiling at a temperature between 630°C and 730°C and continuously annealing Aluminium killed steel.*

129318. Knapack Aktiengesellschaft. 1, 2-dichloroethane and process for the purification thereof. Accepted on 7th October 1971.

*Process for reducing the concentration of 2-chlorobutadiene-(1, 3) in 1, 2-dichloroethene, being contaminated with low boilers boiling at a temperature lower than 83.7°C and high boilers boiling at a temperature higher than 83.7°C which comprises transforming the 2-chlorobutadiene (1, 3) low boiler into a high boiler by distillatively freeing the 1, 2-dichloroethane from the low-boiler treating the low boiler concentrate with gaseous chlorine with irradiation of ultraviolet or visible light, recycling the treated low boiler to the low boiler column continuously delivering the material accumulating in the base of lower boiler column to a high boiler column and distilling off pure dichloroethane from the high boiler contaminant in the said high boiler column.*

129413. Shell Internationale Research Maatschappij N. V. Apparatus for the preparation of a gas mixture containing hydrogen and carbon monoxide. Accepted on 8th October 1971.

*Comprises a reaction chamber for the partial combustion of hydrocarbons with oxygen with the optional supply of steam at super atmospheric pressure, and a waste heat boiler connected to the gas discharge of the reaction chamber, in which the waste-heat boiler is provided with two or more helical tubes, each connected to a straight tube, through which the gases to be cooled are passed, around which helical tubes a coolant may flow, and is positioned in such a way that the coolant reaches the gas inlet end of the straight tubes, the nozzle being constructed such that coolant from the inner tube of the said concentric tubes serves as feed for the ejectors, whereas coolant is sucked out from the outer tube by the ejectors.*

129509. B. B. Bhargava. Contra-rotating synchronous machine. Accepted on 8th October 1971.

*Comprising field poles and their windings, an armature with its windings and sliprings, both of which are adapted to rotate in opposite directions through gears mounted on the machine shaft.*

130645. Sobico Inc. Synthetic material textile filaments. Accepted on 12th October 1971.

*Comprising an elongated core, a plurality of ribs around the core, each rib extending along the core and a plurality of notches in the ribs distributed along the filament.*

#### Opposition Proceedings

Jg Glass Industries Private Ltd, opposed the grant of patent to Hindustan Vacuum Glass Limited on their application No. 121827 on the 11th May 1971. The opposition has been treated as withdrawn on the request made by the opponents.

#### Printed Specifications Published

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

78378, 79701, 79757, 79915, 80288, 80419, 81145, 81199,  
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82130, 82273, 82401, 82411, 82830, 82844, 82861, 82975,  
83107, 83858, 83881, 83981, 84248, 84362, 85242, 88389,  
83107, 83858, 83881, 83981, 84248, 84362, 85242, 88389.

(2)

83040.

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91554, 93073, 93880, 93891, 94031, 94756, 95231, 95250,  
95299, 95493, 95565, 95830.

**Patents Sealed**

110914, 117554, 119441, 119839, 120041, 120883, 121527,  
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**Renewal Fees Paid**

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**Cessation of Patents**

49311, 55641, 65715, 65717, 65718, 65720, 65721, 65730,  
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65767, 65777, 65778, 65806, 65807, 103663, 103667.

**Registration of Designs**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The dates shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. No. 138385. Balwant Gopal Salokhe, 1750-A-Ward, Sakoli Road, Kolhapur—Maharashtra State, India, A subject of the Republic of India. "Coconut seaper". February 5, 1971.

Class 1. No. 138538. Raj Kumar Dewan, 6, Girija Niketan, 3, Shahnajaf Road, Lucknow, U.P., India, Indian Nationality. "An equipment for filing papers". March 25, 1971.

Class 1. Nos. 138694 and 138695. Kumar Metal Co., 2-A/10 Mansingh Gate, Aligarh, (U.P.), India, Indian partnership concern, "Door bolts". May 17, 1971.

Class 3. Nos. 138444 to 138446. Mohan Meakin Breweries Limited, and Indian Company, Solan Brewery P.O., Simla Hills, Himachal Pradesh, India, "Transistor". February 27, 1971.

Class 3. Nos. 138433 and 138434. Christopher Hall, a citizen of the United States of America, 6321, Floric Street, Oakland, California 94618, United States of America. "Prefabricated portable housing structure of resinous material". February 20, 1971.

Class 3. No. 138520. Mohamedsalim Ali Ahmed, an Indian, 4, Sadi Bazar, Maulana Azad Road, Bombay-8, Maharashtra, (India), "Handle grip". March 22, 1971.

Class 3. No. 138522. B. P. Sinha, 115, Dariya Mahal, 80, Nepean Sea Road, Bombay-6, Maharashtra, India, "Containers". March 23, 1971.

Class 3. 138563. Lakme Limited, Bombay House, Bruce Street, Bombay-1, Maharashtra, India, an Indian Company. "Lipsticks container". April 2, 1971.

Class 3. No. 138564. Martin & Harris Private Limited, an Indian Company, Mercantile Buildings, 9, Tall Bazar Street, Calcutta-1, West Bengal, India, "Bottle". April 2, 1971.

Class 3. No. 138603. Johnson Plastics, (an Indian Partnership Firm) 16, Apollo Street, 4th floor, Sir Vithaldas Chambers, Fort, Bombay-1, (Maharashtra), "Bag closing tool". April 12, 1971.

Class 3. No. 138642. J. K. Helene Curtis Limited, a Public limited Company incorporated in India under the Indian Companies Act, and having its Registered Office at J. K. Building, Dougal Road, Ballard Estate, Bombay-1, State of Maharashtra, India, "A bottle". April 26, 1971.

Class 3. No. 138667. Lakme Limited, Bombay House, Bruce Street, Bombay-1, Maharashtra, India, an Indian Company, "A powder compact". May 11, 1971.

Class 3. No. 138752. Minni Trading Corporation, (an Indian Partnership Firm), 6, Fateh Niwas, Goraswadi, Malad, Bombay-64, (Maharashtra), "Decanter". June 14, 1971.

Class 10. 135922. Bally Shoe Company Private Limited, an Indian Company, "Sunayana", 9, S. V. Road, Vile Parle (West), Bombay-56, Maharashtra, India, "A footwear". June 13, 1971.

Class 10. No. 138614. Bishwanath Khemka (7th Floor), 4, Govt. Place North, Calcutta-1, West Bengal, India, Indian, "Footwear". April 16, 1971.

Class 11. No. 138655. Diljit Saini, An Indian National, an India proprietary concern, 14, Hamam Street, 2nd Floor, Rajabhadur Mansion, Fort, Bombay-1, State of Maharashtra, India, "A readymade leather neck-tie". May 1, 1971.

S. VEDARAMAN,  
Controller General of Patents,  
Designs and Trade Marks.

